FIG.1

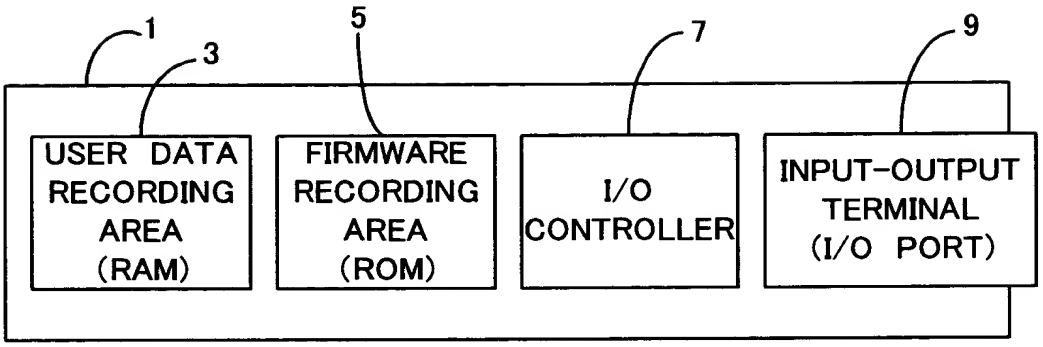

1
3
5
7
9
USER DATA RECORDING AREA (RAM)
FIRMWARE RECORDING AREA (ROM)
I/O CONTROLLER
INPUT-OUTPUT TERMINAL (I/O PORT)

FIG.2

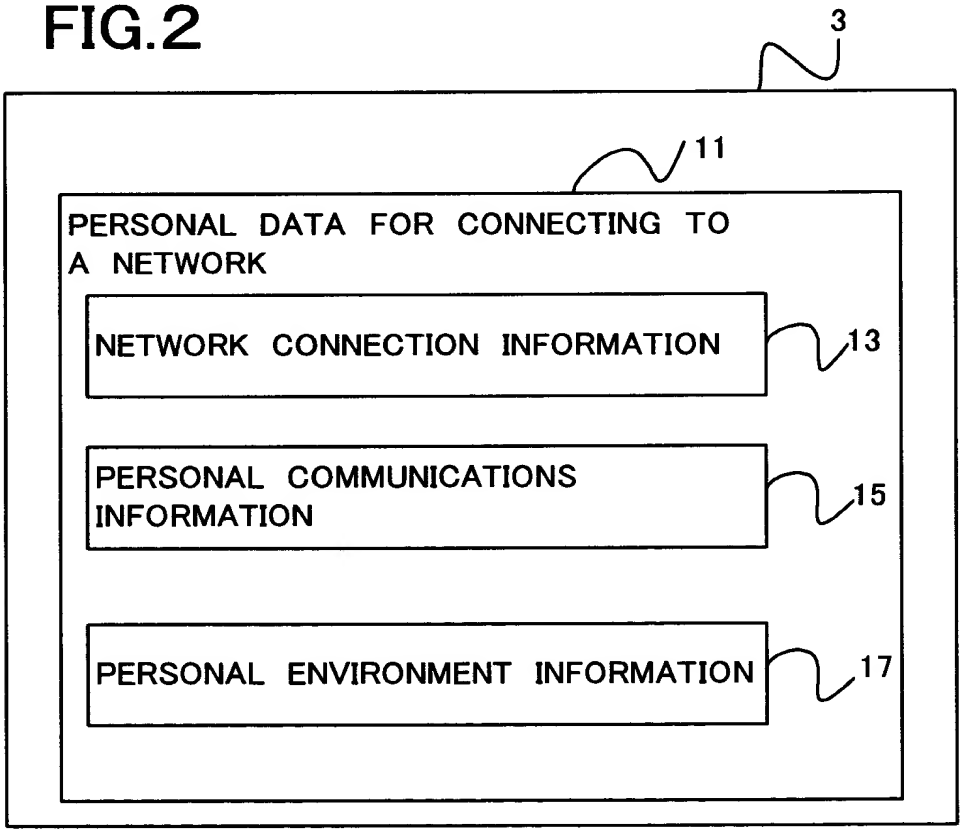

3
11
PERSONAL DATA FOR CONNECTING TO A NETWORK
NETWORK CONNECTION INFORMATION
13
PERSONAL COMMUNICATIONS INFORMATION
15
PERSONAL ENVIRONMENT INFORMATION
17

FIG.3

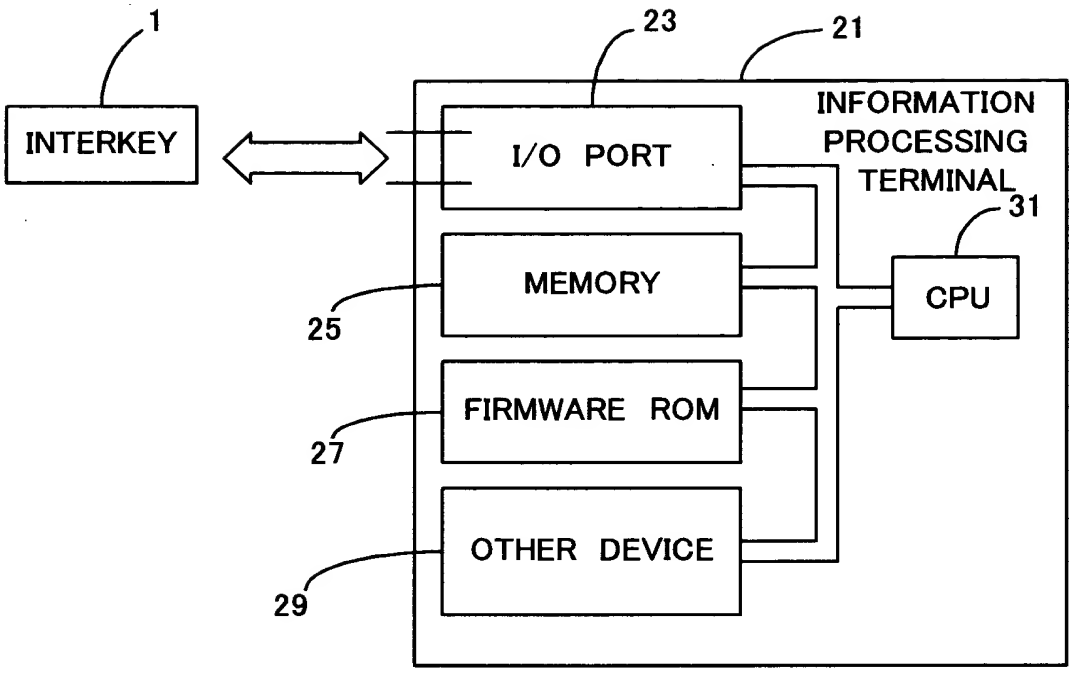

1
INTERKEY
23
21
INFORMATION PROCESSING TERMINAL
I/O PORT
MEMORY
25
FIRMWARE ROM
27
OTHER DEVICE
29
31
CPU

FIG.4

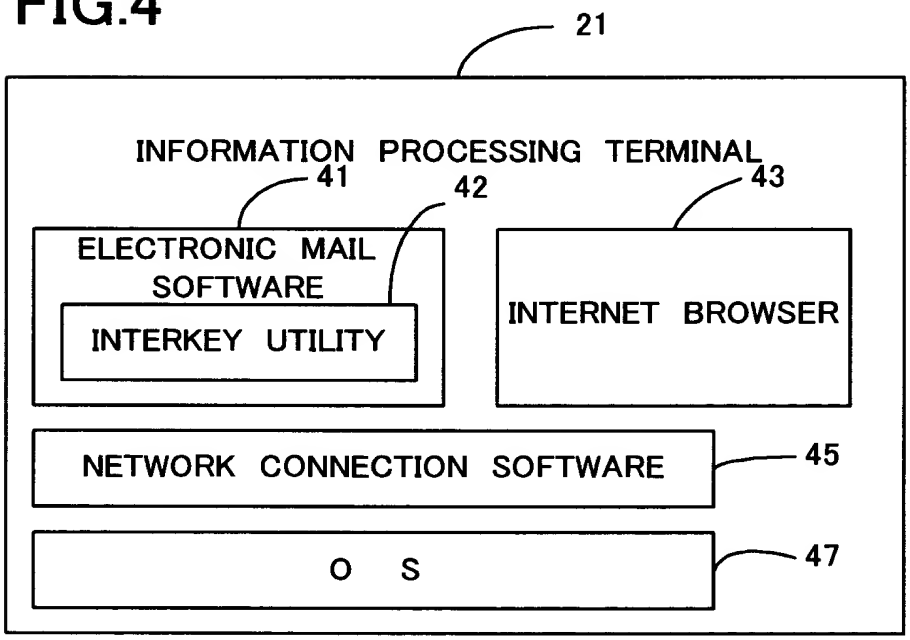

21
INFORMATION PROCESSING TERMINAL
41
42
43
ELECTRONIC MAIL SOFTWARE
INTERKEY UTILITY
INTERNET BROWSER
NETWORK CONNECTION SOFTWARE
45
O S
47

FIG.5

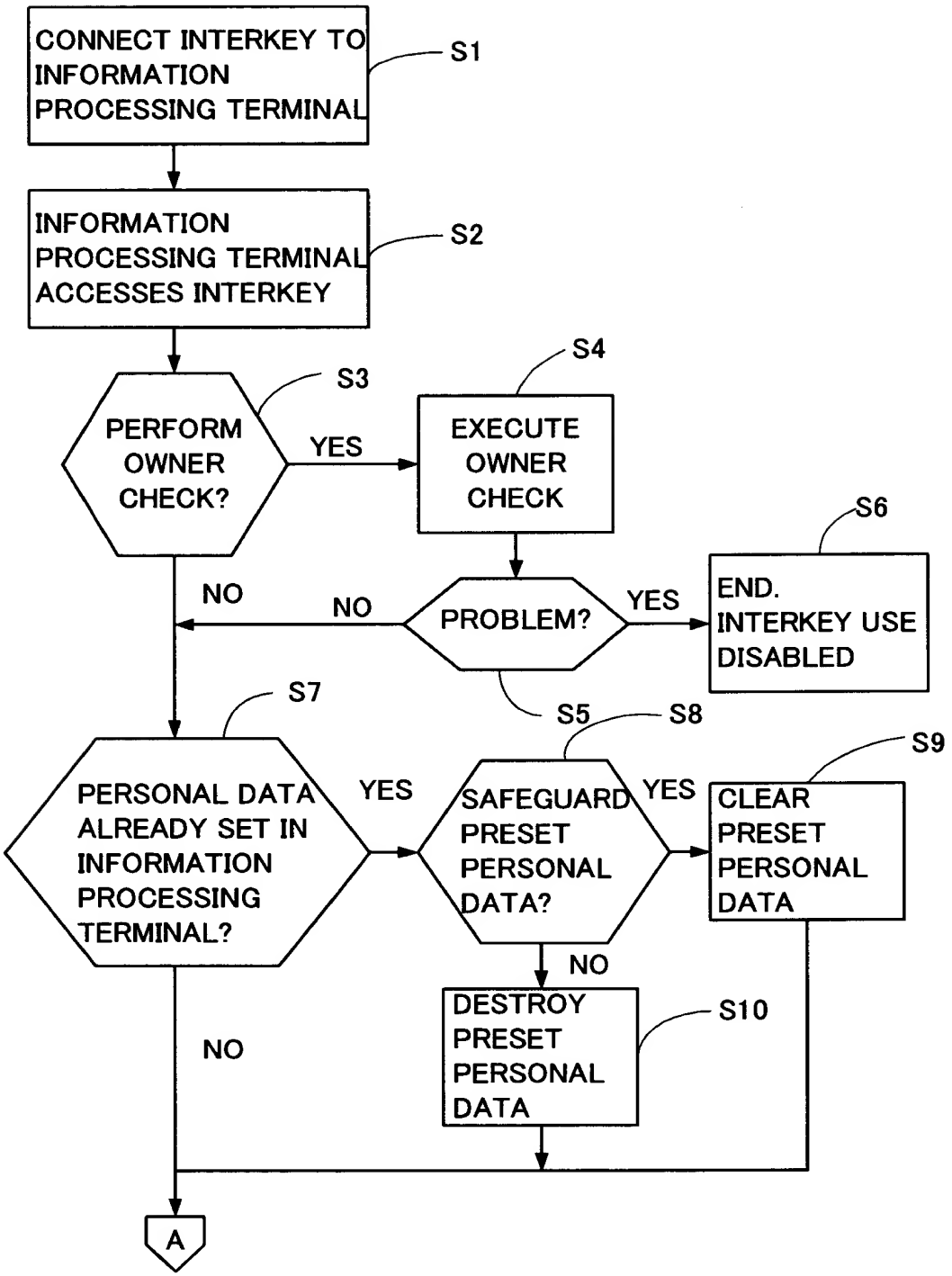

CONNECT INTERKEY TO INFORMATION PROCESSING TERMINAL
S1
INFORMATION PROCESSING TERMINAL ACCESSES INTERKEY
S2
PERFORM OWNER CHECK?
S3
YES
EXECUTE OWNER CHECK
S4
NO
NO
PROBLEM?
YES
END. INTERKEY USE DISABLED
S6
S5
S7
S8
S9
PERSONAL DATA ALREADY SET IN INFORMATION PROCESSING TERMINAL?
YES
SAFEGUARD PRESET PERSONAL DATA?
YES
CLEAR PRESET PERSONAL DATA
NO
DESTROY PRESET PERSONAL DATA
S10
NO
A

FIG.6

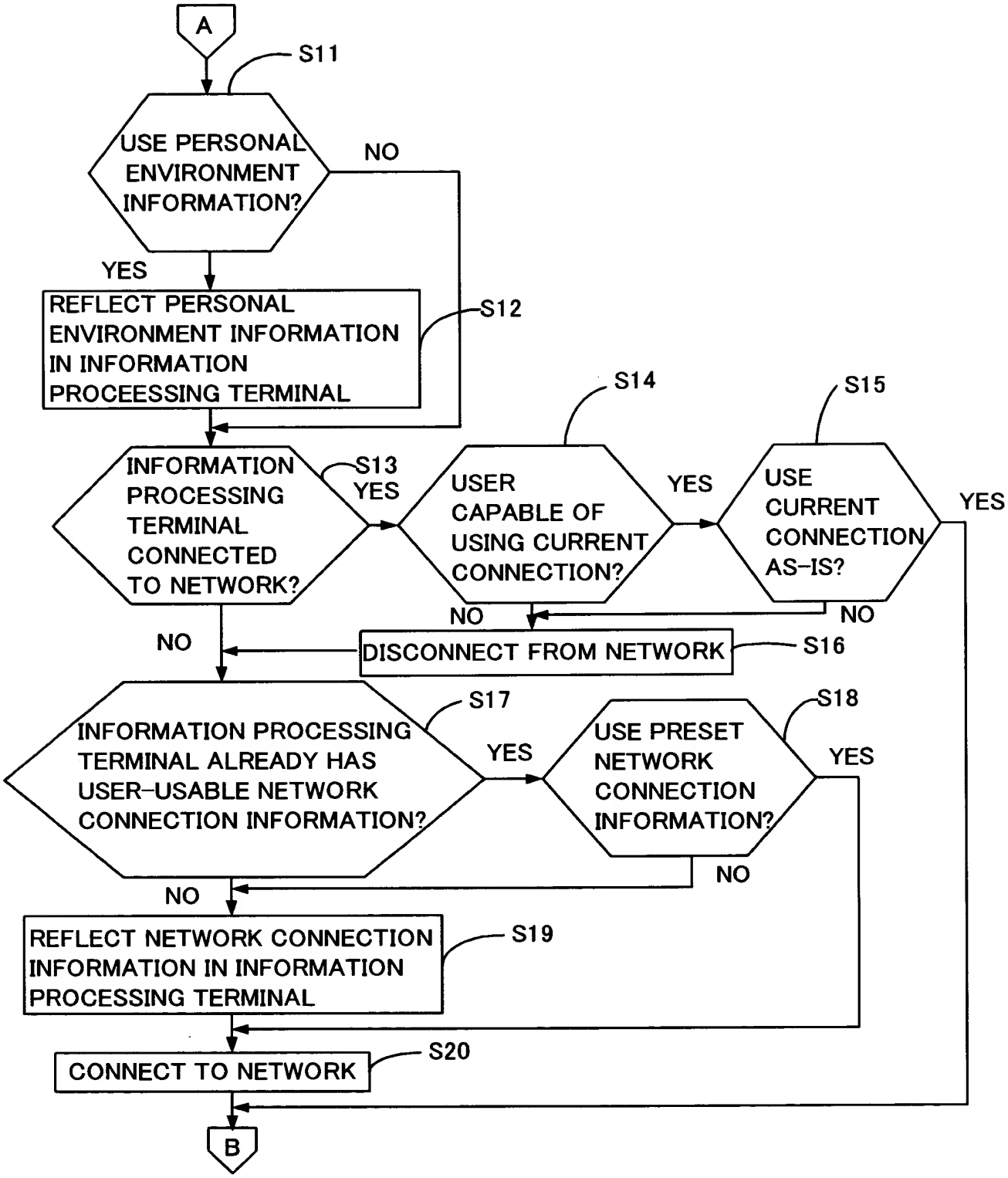

A
S11
USE PERSONAL ENVIRONMENT INFORMATION?
NO
YES
REFLECT PERSONAL ENVIRONMENT INFORMATION IN INFORMATION PROCEESSING TERMINAL
S12
S14
S15
INFORMATION PROCESSING TERMINAL CONNECTED TO NETWORK?
S13
YES
USER CAPABLE OF USING CURRENT CONNECTION?
YES
USE CURRENT CONNECTION AS-IS?
YES
NO
NO
NO
DISCONNECT FROM NETWORK
S16
INFORMATION PROCESSING TERMINAL ALREADY HAS USER-USABLE NETWORK CONNECTION INFORMATION?
S17
YES
USE PRESET NETWORK CONNECTION INFORMATION?
S18
YES
NO
NO
REFLECT NETWORK CONNECTION INFORMATION IN INFORMATION PROCESSING TERMINAL
S19
CONNECT TO NETWORK
S20
B

FIG.7

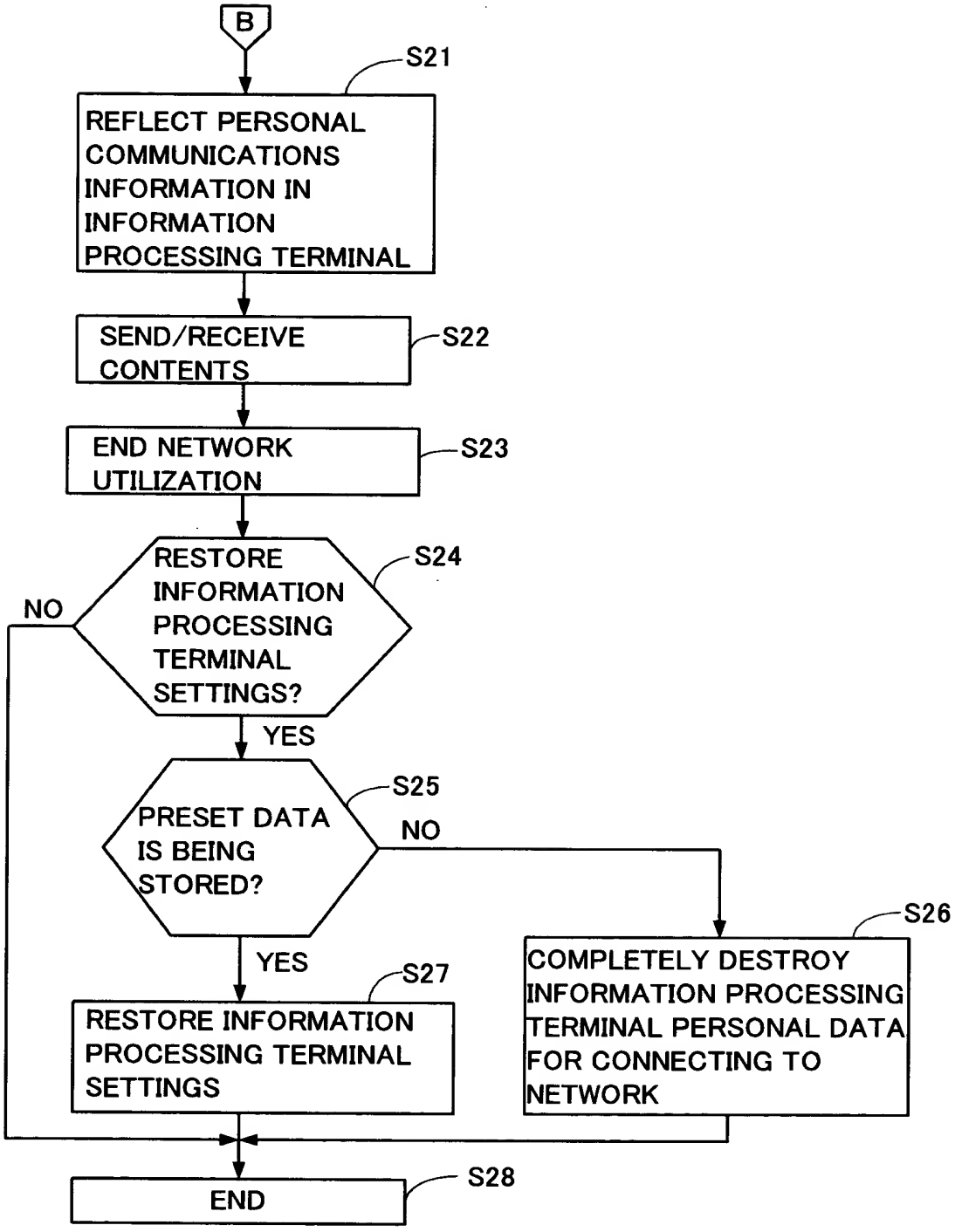

B
S21
REFLECT PERSONAL COMMUNICATIONS INFORMATION IN INFORMATION PROCESSING TERMINAL
SEND/RECEIVE CONTENTS
S22
END NETWORK UTILIZATION
S23
RESTORE INFORMATION PROCESSING TERMINAL SETTINGS?
S24
NO
YES
PRESET DATA IS BEING STORED?
S25
NO
YES
S26
COMPLETELY DESTROY INFORMATION PROCESSING TERMINAL PERSONAL DATA FOR CONNECTING TO NETWORK
S27
RESTORE INFORMATION PROCESSING TERMINAL SETTINGS
END
S28

FIG.8

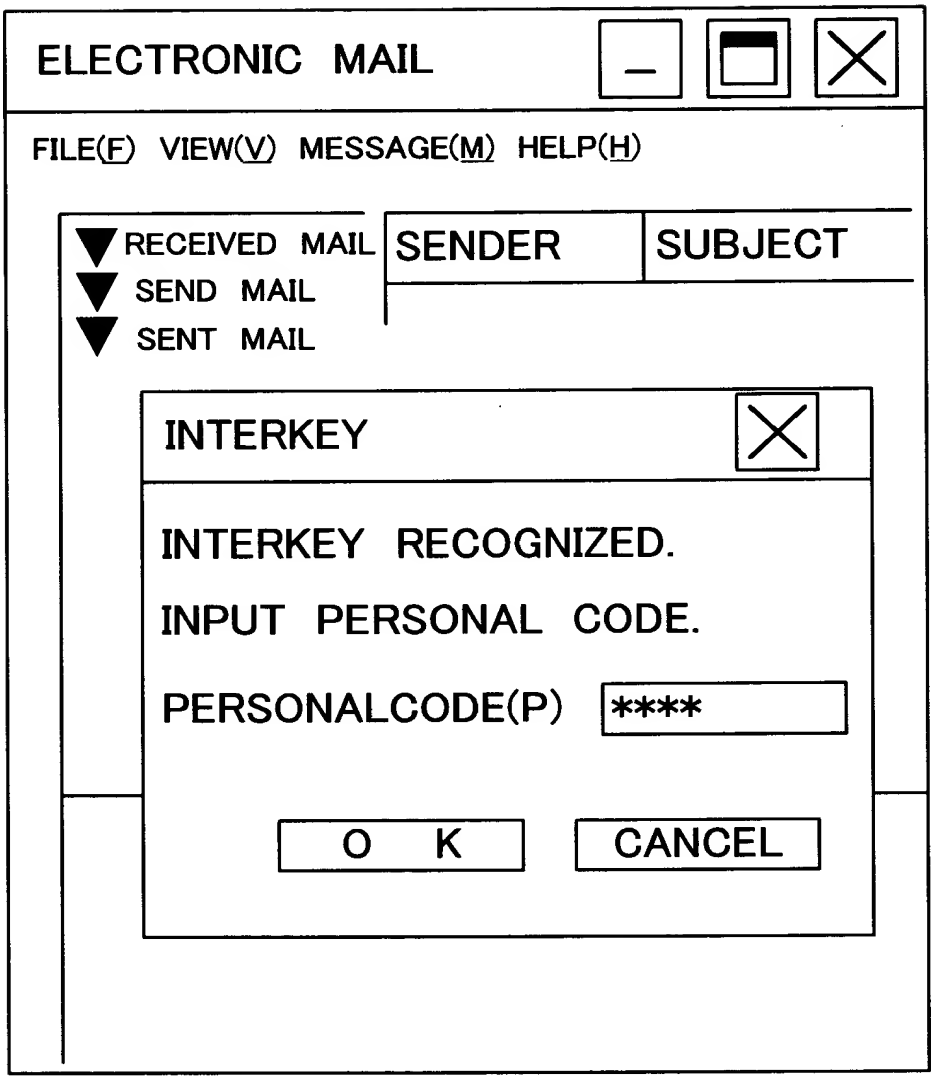

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
INTERKEY RECOGNIZED.
INPUT PERSONAL CODE.
PERSONALCODE(P)
****
O K
CANCEL

FIG.9

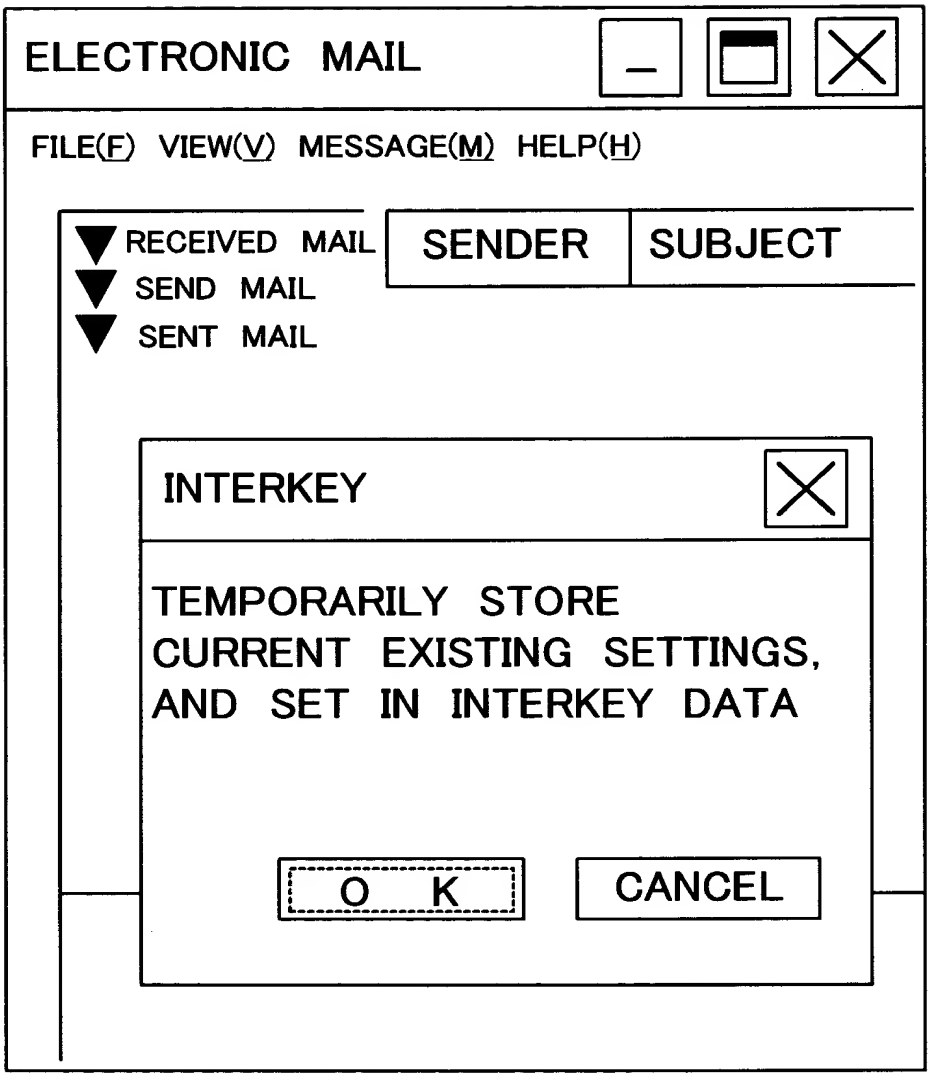

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
TEMPORARILY STORE
CURRENT EXISTING SETTINGS,
AND SET IN INTERKEY DATA
O K
CANCEL

FIG.10

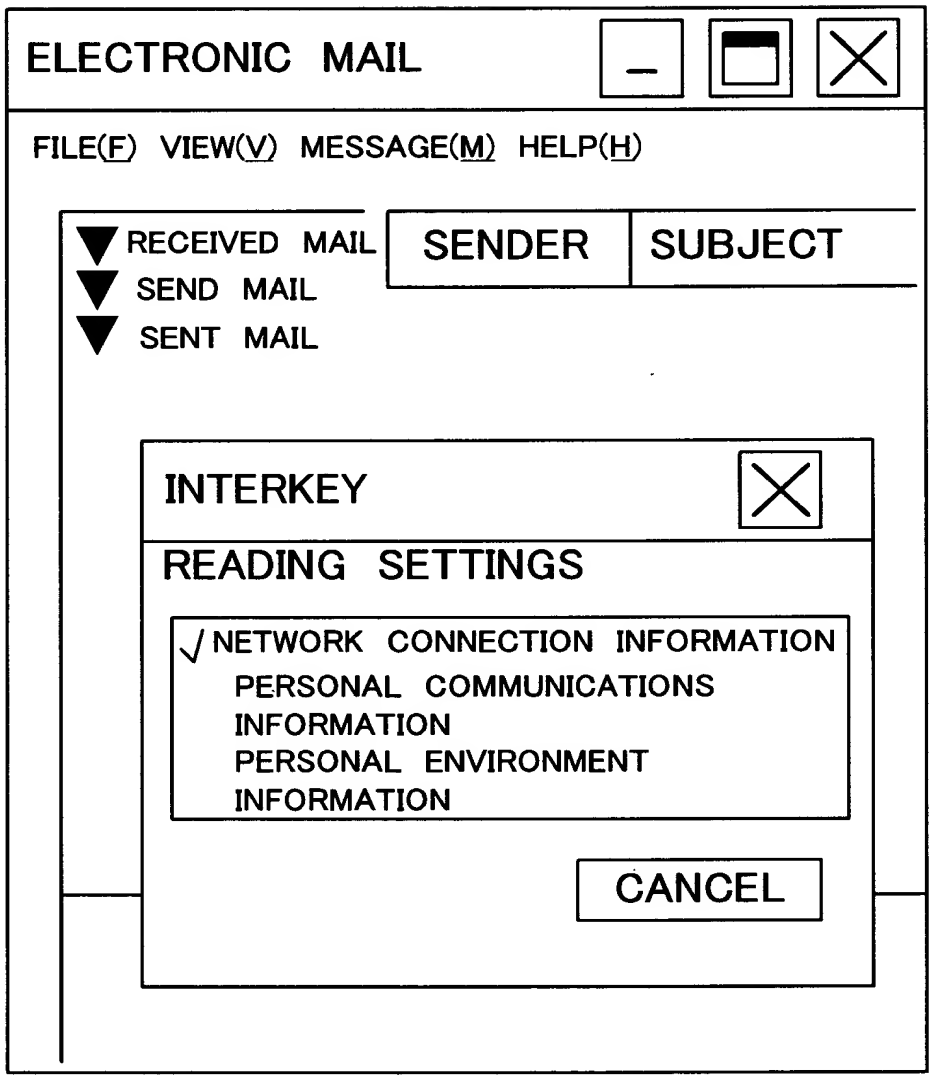

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
READING SETTINGS
NETWORK CONNECTION INFORMATION
PERSONAL COMMUNICATIONS INFORMATION
PERSONAL ENVIRONMENT INFORMATION
CANCEL

FIG.11

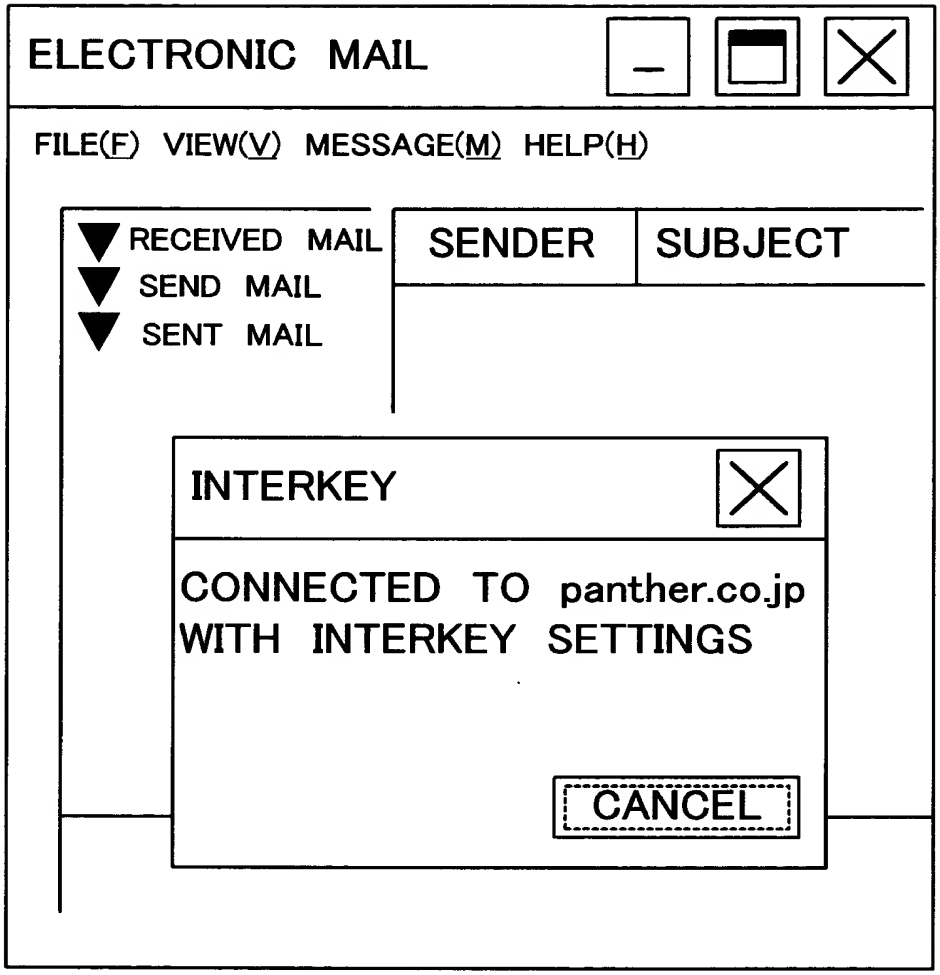

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
CONNECTED TO panther.co.jp
WITH INTERKEY SETTINGS
CANCEL

FIG.12

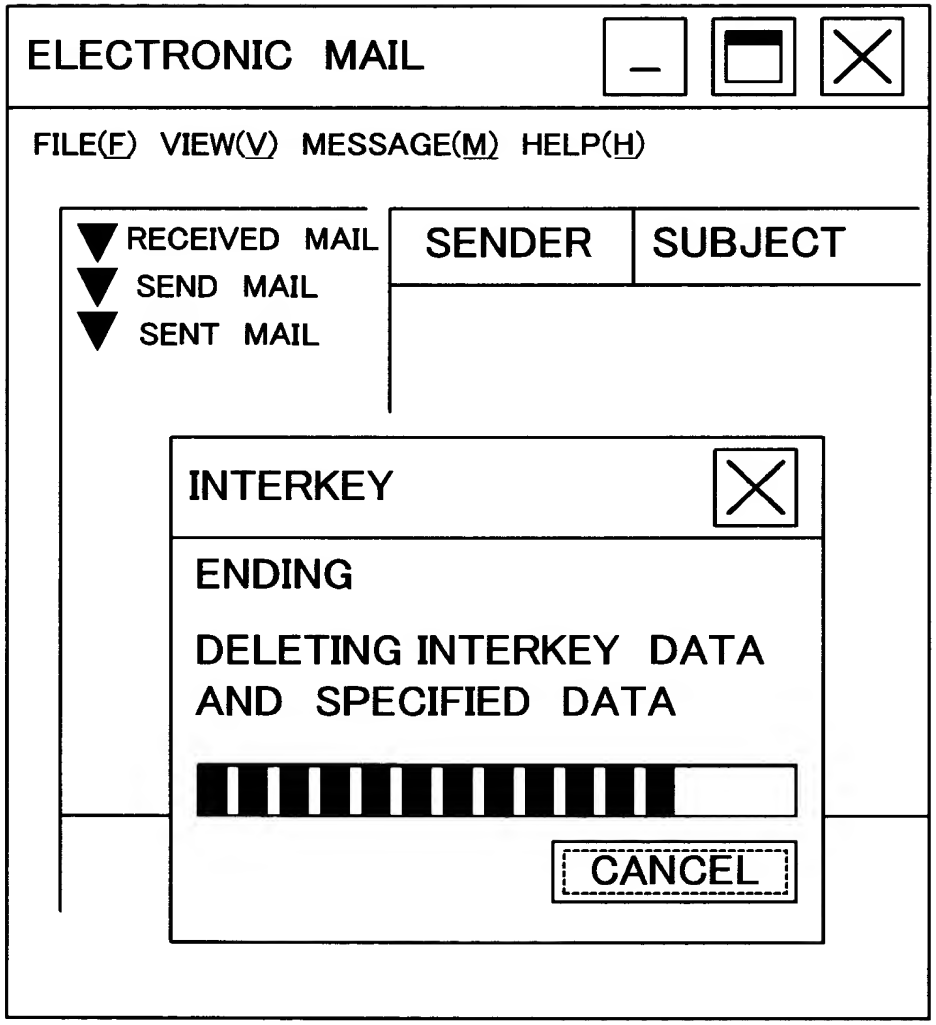

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
ENDING
DELETING INTERKEY DATA
AND SPECIFIED DATA
CANCEL

FIG.13

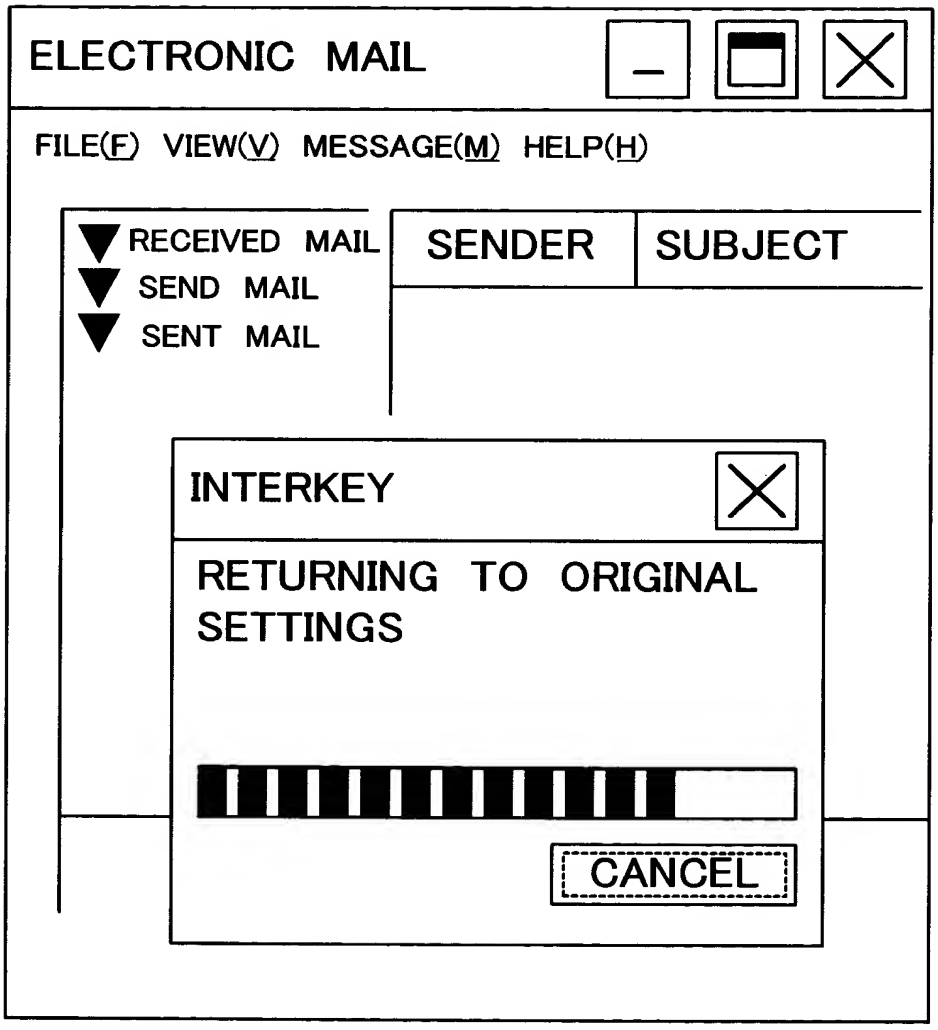

ELECTRONIC MAIL
FILE(F) VIEW(V) MESSAGE(M) HELP(H)
RECEIVED MAIL
SEND MAIL
SENT MAIL
SENDER
SUBJECT
INTERKEY
RETURNING TO ORIGINAL SETTINGS
CANCEL

FIG.14

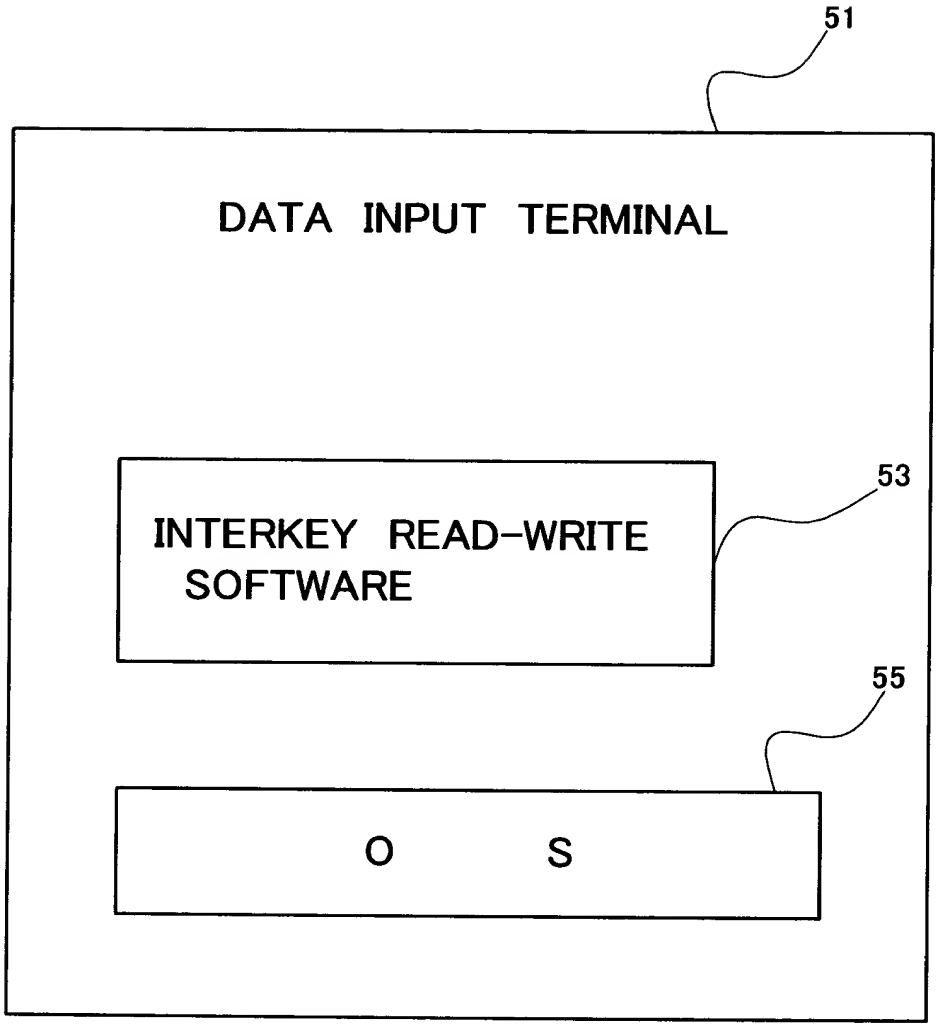

51
DATA INPUT TERMINAL
INTERKEY READ-WRITE SOFTWARE
53
55
O S

FIG.15

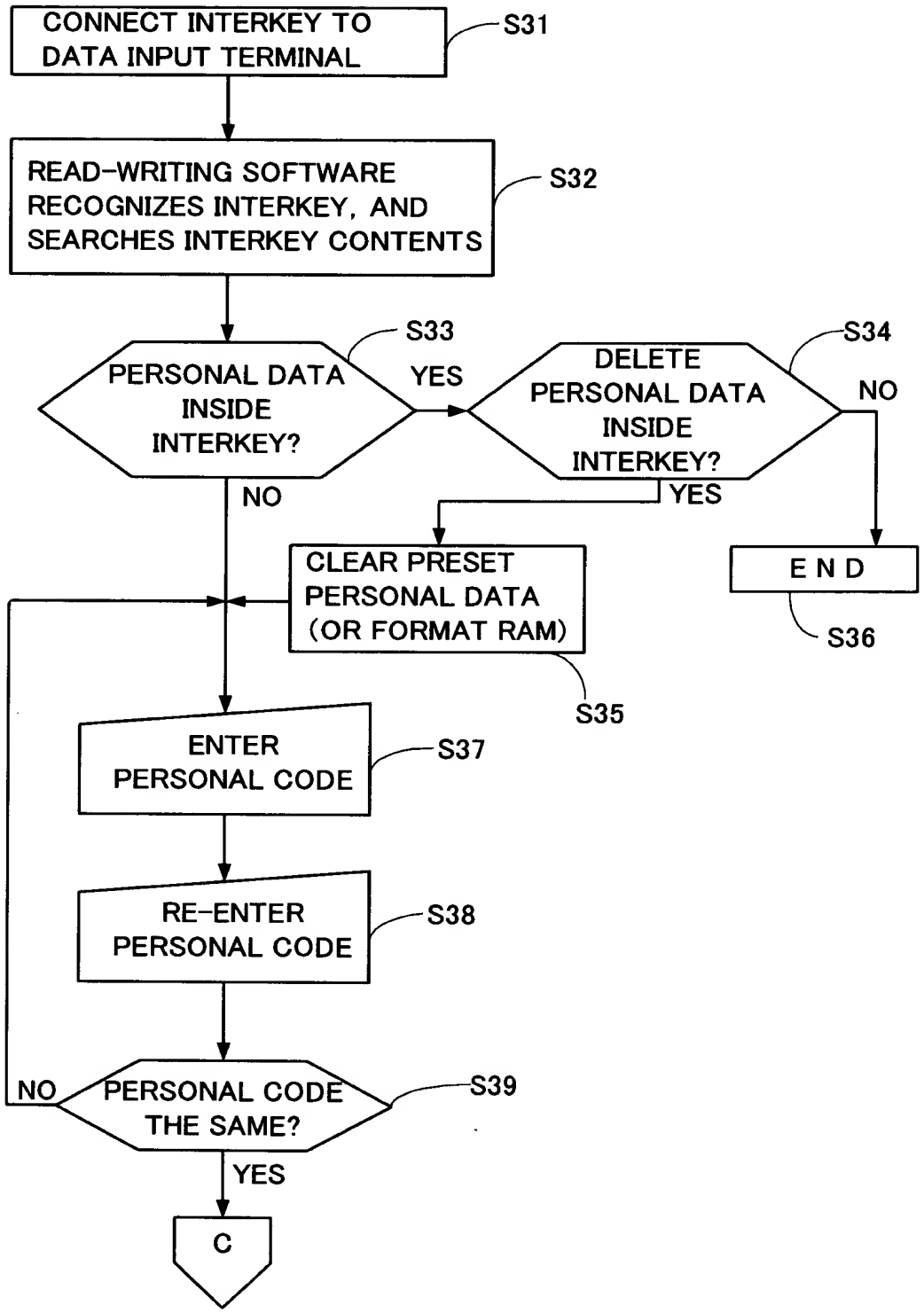

CONNECT INTERKEY TO DATA INPUT TERMINAL
S31
READ-WRITING SOFTWARE RECOGNIZES INTERKEY, AND SEARCHES INTERKEY CONTENTS
S32
PERSONAL DATA INSIDE INTERKEY?
S33
YES
DELETE PERSONAL DATA INSIDE INTERKEY?
S34
NO
YES
NO
CLEAR PRESET PERSONAL DATA (OR FORMAT RAM)
S35
E N D
S36
ENTER PERSONAL CODE
S37
RE-ENTER PERSONAL CODE
S38
NO
PERSONAL CODE THE SAME?
S39
YES
C

FIG.16

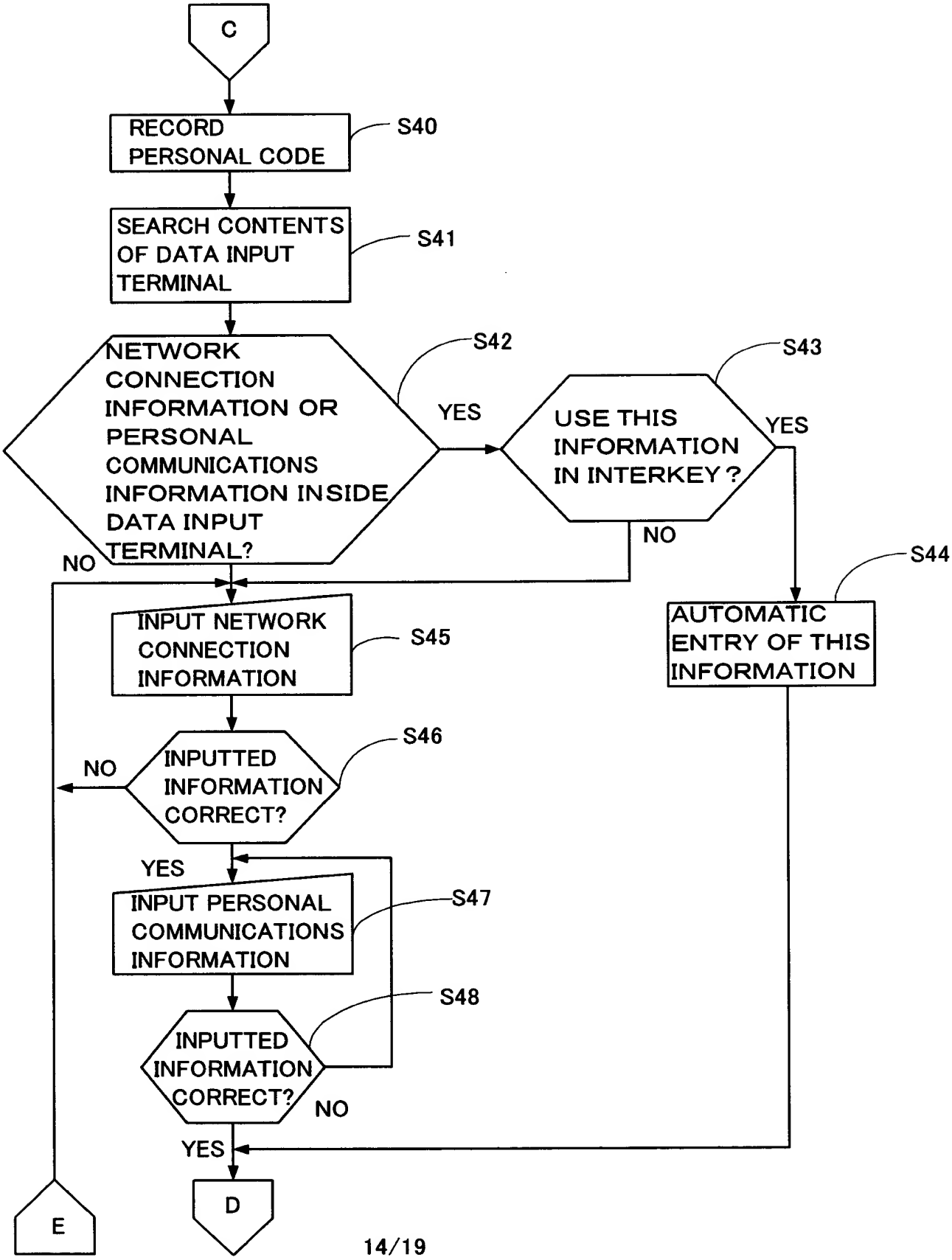

C
RECORD PERSONAL CODE
S40
SEARCH CONTENTS OF DATA INPUT TERMINAL
S41
NETWORK CONNECTION INFORMATION OR PERSONAL COMMUNICATIONS INFORMATION INSIDE DATA INPUT TERMINAL?
S42
YES
USE THIS INFORMATION IN INTERKEY?
S43
YES
NO
NO
AUTOMATIC ENTRY OF THIS INFORMATION
S44
INPUT NETWORK CONNECTION INFORMATION
S45
INPUTTED INFORMATION CORRECT?
S46
NO
YES
INPUT PERSONAL COMMUNICATIONS INFORMATION
S47
INPUTTED INFORMATION CORRECT?
S48
NO
YES
D
E

FIG.17

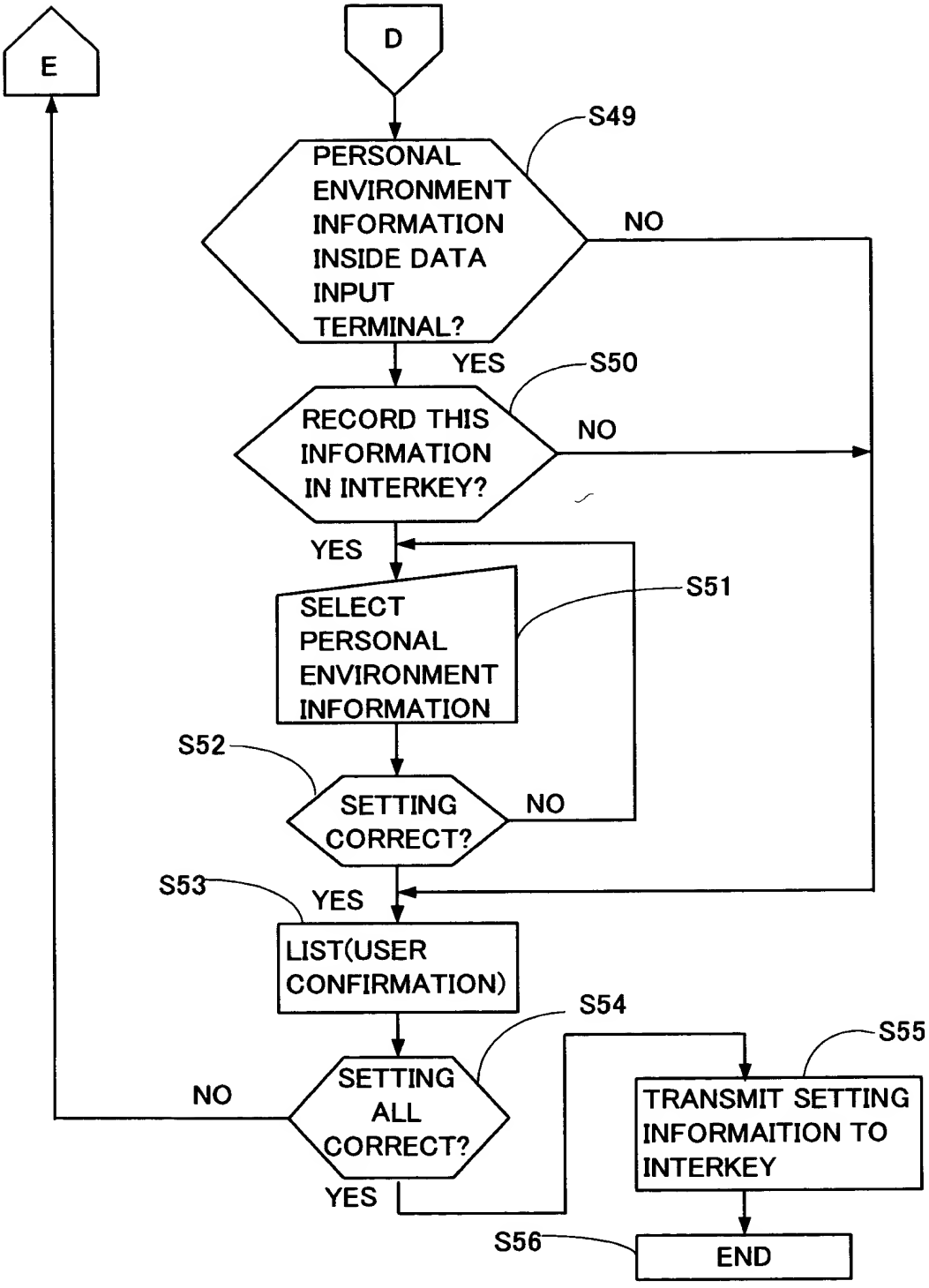

D
E
S49
PERSONAL ENVIRONMENT INFORMATION INSIDE DATA INPUT TERMINAL?
NO
YES
S50
RECORD THIS INFORMATION IN INTERKEY?
NO
YES
S51
SELECT PERSONAL ENVIRONMENT INFORMATION
S52
SETTING CORRECT?
NO
S53
YES
LIST(USER CONFIRMATION)
S54
SETTING ALL CORRECT?
NO
YES
S55
TRANSMIT SETTING INFORMAITION TO INTERKEY
S56
END

FIG.18

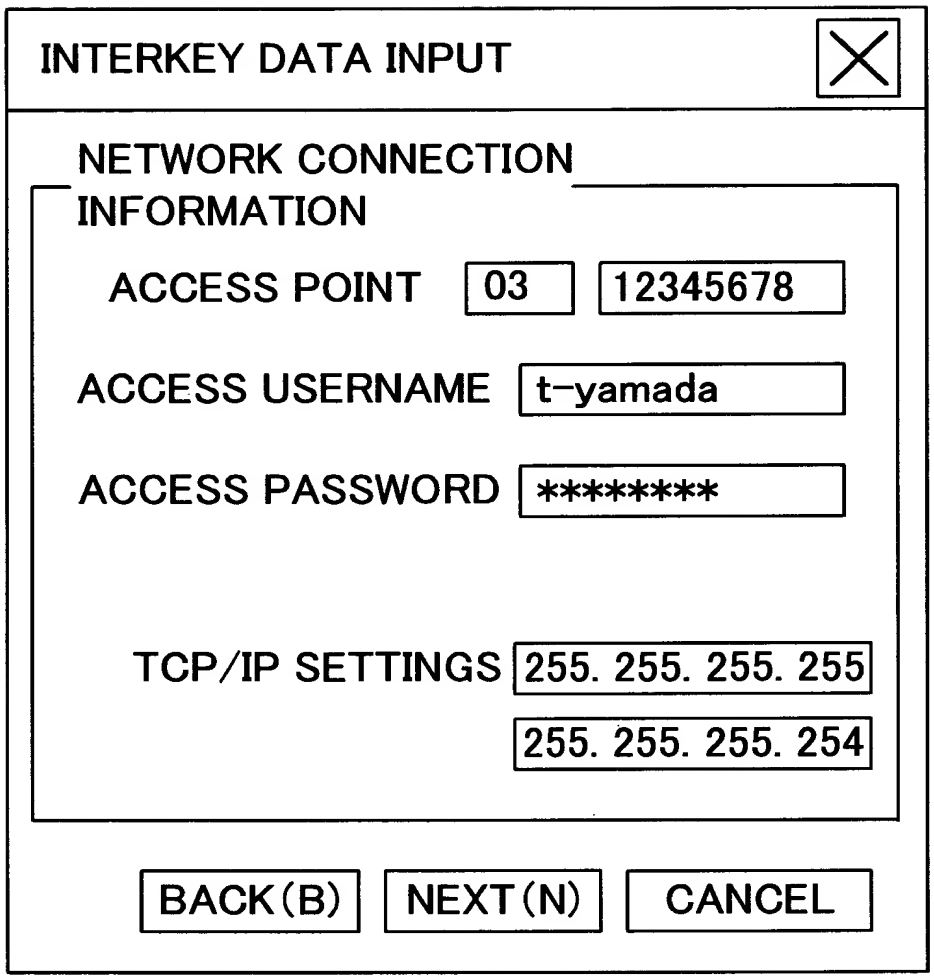

INTERKEY DATA INPUT
NETWORK CONNECTION INFORMATION
ACCESS POINT
03
12345678
ACCESS USERNAME
t-yamada
ACCESS PASSWORD
****
TCP/IP SETTINGS
255. 255. 255. 255
255. 255. 255. 254
BACK(B)
NEXT(N)
CANCEL

FIG.19

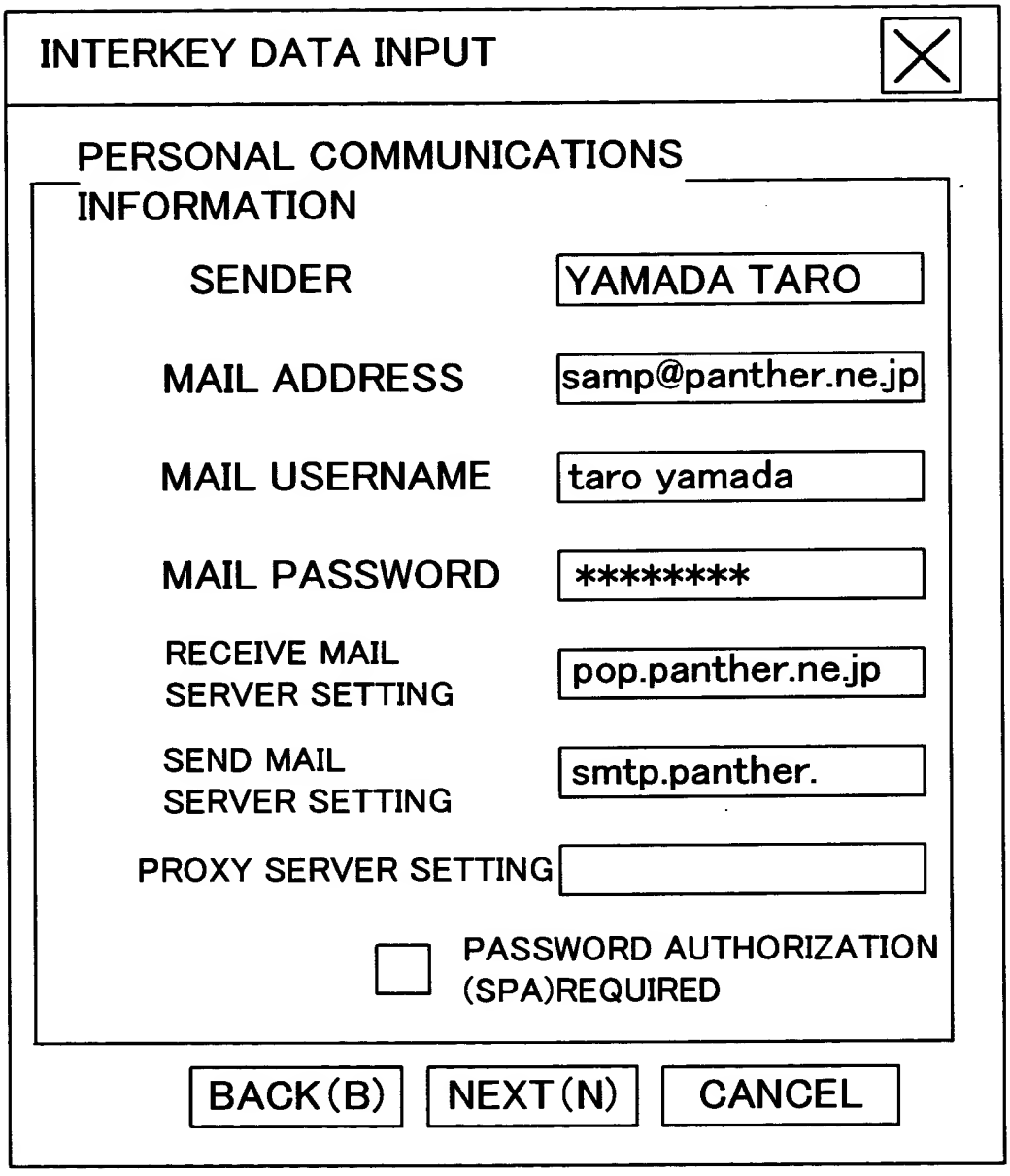

INTERKEY DATA INPUT
PERSONAL COMMUNICATIONS INFORMATION
SENDER
YAMADA TARO
MAIL ADDRESS
samp@panther.ne.jp
MAIL USERNAME
taro yamada
MAIL PASSWORD
****
RECEIVE MAIL SERVER SETTING
pop.panther.ne.jp
SEND MAIL SERVER SETTING
smtp.panther.
PROXY SERVER SETTING
PASSWORD AUTHORIZATION (SPA)REQUIRED
BACK(B)
NEXT(N)
CANCEL

FIG.20

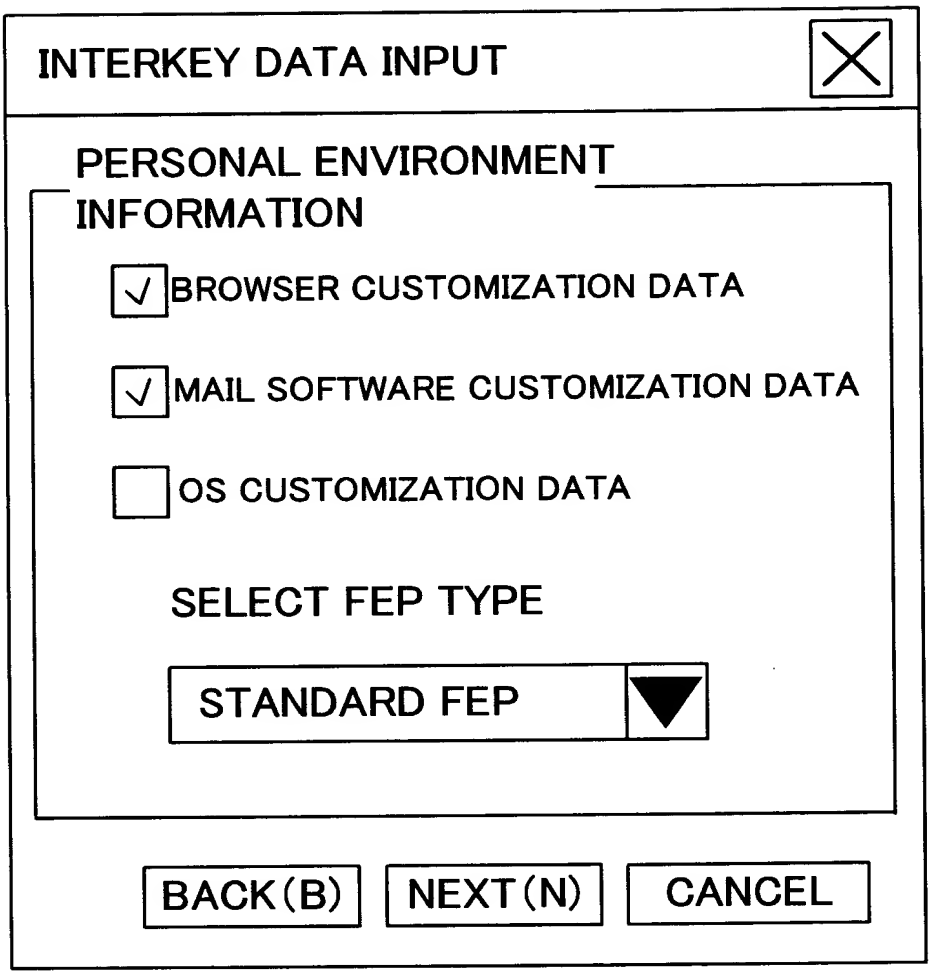
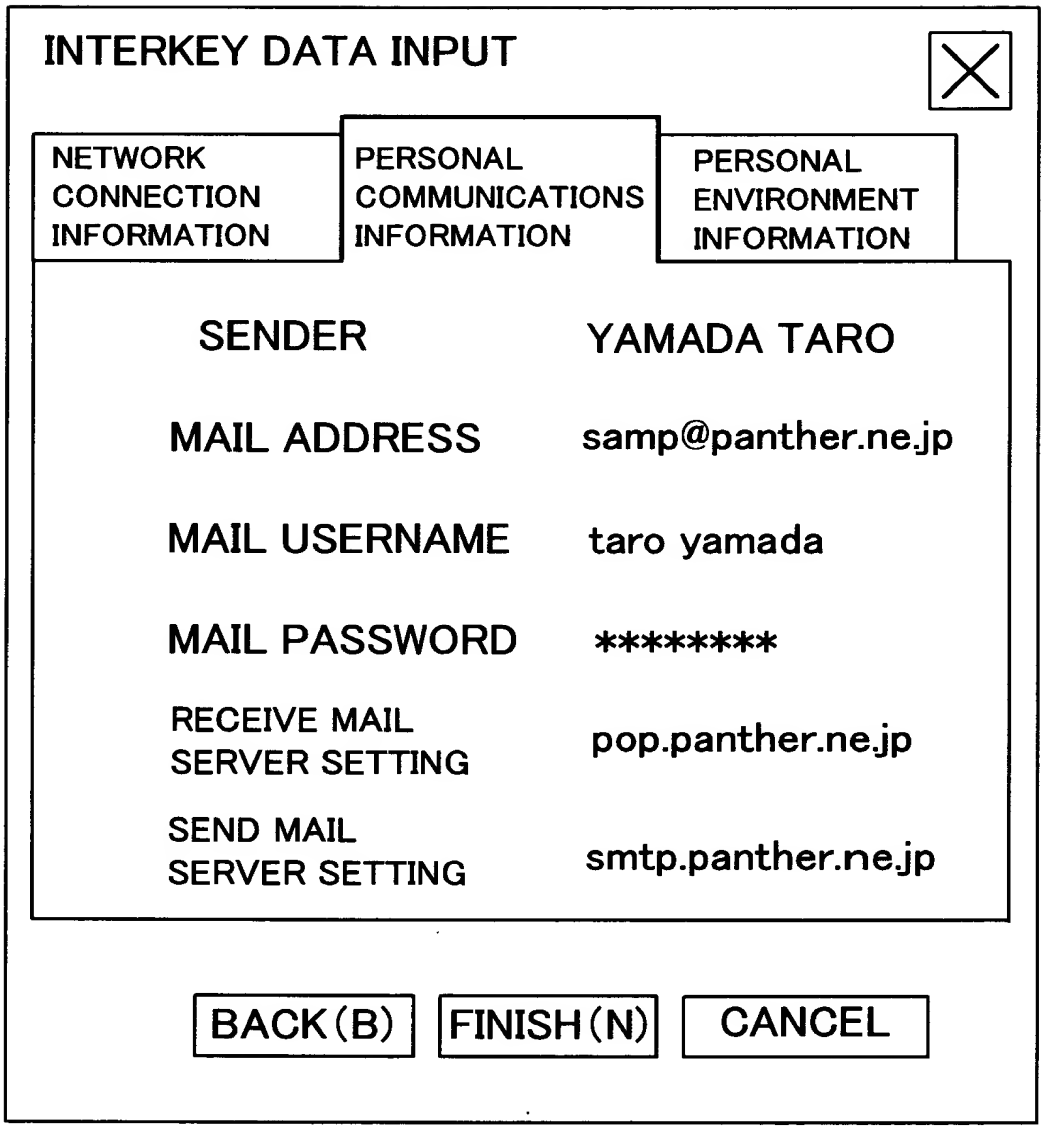

INTERKEY DATA INPUT
PERSONAL ENVIRONMENT INFORMATION
BROWSER CUSTOMIZATION DATA
MAIL SOFTWARE CUSTOMIZATION DATA
OS CUSTOMIZATION DATA
SELECT FEP TYPE
STANDARD FEP
BACK(B)
NEXT(N)
CANCEL

FIG.21


INTERKEY DATA INPUT
NETWORK CONNECTION INFORMATION
PERSONAL COMMUNICATIONS INFORMATION
PERSONAL ENVIRONMENT INFORMATION
SENDER
YAMADA TARO
MAIL ADDRESS
samp@panther.ne.jp
MAIL USERNAME
taro yamada
MAIL PASSWORD
****
RECEIVE MAIL SERVER SETTING
pop.panther.ne.jp
SEND MAIL SERVER SETTING
smtp.panther.ne.jp
BACK(B)
FINISH(N)
CANCEL